

ABSTRACT

In a multi-piece solid golf ball comprising a solid core, a mantle and a cover, the solid core is made of a rubber composition that includes a base rubber containing a polybutadiene synthesized using a rare-earth catalyst, a small amount of organic peroxide, an unsaturated carboxylic acid and/or a metal salt thereof, an organic sulfur compound and an inorganic filler. The mantle is made of a thermoplastic resin composition. The cover is made primarily of a mixture containing an amino-terminated block polymer and an ionomer resin. This construction provides the golf ball with a combination of outstanding flight performance, excellent scuff resistance and soft feel that is unprecedented.